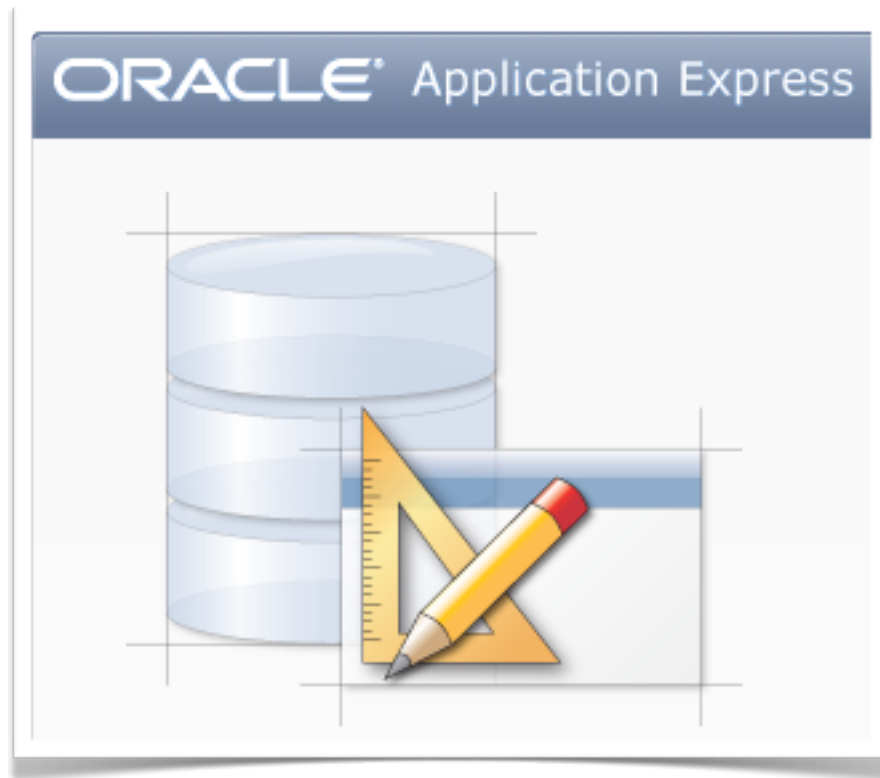


User Manual

Step by step guide on using UAO database in Oracle
Apex

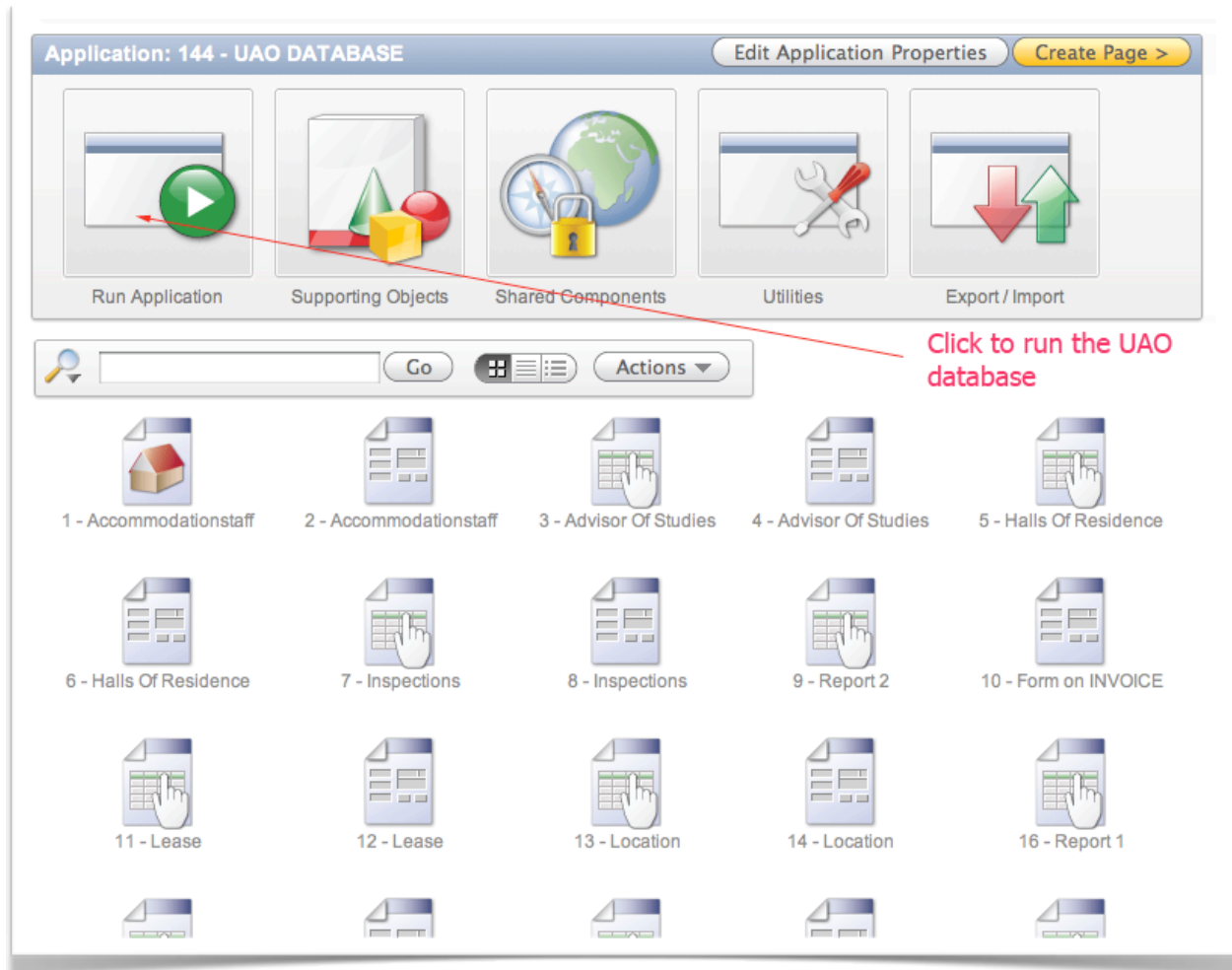
By Mahmood Chowdhury
November 29, 2010

Final Project: 60-415 (Advanced and
Practical Database System)



Introduction

After the installation process, as mentioned in the previous manual, go ahead and run the UAO database application.



Once the application opens, you will see a window with all your tables in tabular format. The report, which will display some data - if you have already entered using sqlplus, will appear on the body of the screen.

Accommodationstaff

Advisor Of Studies Halls Of Residence Inspections Invoice Lease Location Next Of Kin Position Rooms Studentflatinspections Studentflats

Accommodationstaff

Go Actions Create

Staffnumber	Leasenumbar	Flatnumber	Name	Address	Dob	Sex	Location	Position
3	999999	1111	-	-	-	-	Hall	-
1989564325	999999	1111	rasika b	121 campbell avenue	01-NOV-10	male	Hall	Hall Manager
1	999999	1111	John Smith	34 Kin Kent ON N9G 3T5	17-SEP-45	M	Hall	Admin.Asst
2	888888	2222	Due Wang	12 Yun Kent ON N9G 3T5	23-OCT-65	M	Accommodation Office	Hall Manager
1989564324	999999	1111	Rasika	123 no road	-	M	Hall	Hall Manager

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Reports containing existing data in table "Accommodationstaff"

Tables in tabular format

To create a new record, click the "Create" button.

Home Application 144 Edit Page 1 Create Session Caching View Debug Debug Show Edit Links

Figure 1

Create/Insert record

To create/insert a record, click the “Create” button as shown in Figure 1. The following window will open:

Welcome: BANDARA Logout

Accommodationstaff | Advisor Of Studies | Halls Of Residence | Inspections | Invoice | Lease | Location | Next Of Kin | Position | Rooms | Studentflatinspections | Studentflats

Accommodationstaff > Accommodationstaff

Edit ACCOMMODATIONSTAFF Cancel Create

Staffnumber 1989564326

Leasenumbr 999999

Flatnumber 1111

Name Mahmood Chowdhury

Address 401 Sunset Avenue

Dob 10-Nov-10

Sex Male

Location Hall

Position Hall Manager

Fill out the required fields (in this example, we are using the “Accommodationstaff” table) such as Leasenumbr, Flatnumber, Name, etc. To choose the date, click the calendar icon. After all the information have been inputted, click the “Create” button on top right hand side.

Welcome: BANDARA Logout

Accommodationstaff | Advisor Of Studies | Halls Of Residence | Inspections | Invoice | Lease | Location | Next Of Kin | Position | Rooms | Studentflatinspections | Studentflats

Accommodationstaff

Action Processed. X

Go Actions Create

Staffnumber	Leasenumbr	Flatnumber	Name	Address	Dob	Sex	Location	Position
3	999999	1111	-	-	-	-	Hall	-
1989564325	999999	1111	rasika b	121 campbell avenue	01-NOV-10	male	Hall	Hall Manager
1989564326	999999	1111	Mahmood Chowdhury	401 Sunset Avenue	10-NOV-10	Male	Hall	Hall Manager
1	999999	1111	John Smith	34 Kin Kent ON N9G 3T5	17-SEP-45	M	Hall	Admin Asst
2	888888	2222	Due Wang	12 Yun Kent ON N9G 3T5	23-OCT-65	M	Accommodation Office	Hall Manager
1989564324	999999	1111	Rasika	123 no road	-	M	Hall	Hall Manager

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If your entries are valid, it will redirect you to the table form (in this case, “Accommodationstaff”) and you will see your entries in the report (for our example, StaffNumber: 1989564326) and you will notice a message displaying “Action Processed” with green background above the report.

If for some reason, you have entered an incorrect information in any of the fields in any form, Apex will display an error message.
Let’s take an example of Accommodationstaff.

Accommodationstaff | Advisor Of Studies | Halls Of Residence | Inspections | Inv

Accommodationstaff > Accommodationstaff

Edit ACCOMMODATIONSTAFF

Staffnumber 1989564328

Leasenumner 123436

Flatnumber 1111

Name Mickey Mouse

Address 123 rankin avenue

Dob 13-Sep-10

Sex Male

Location Windsor

Position Teacher

In this example, our location and position fields are incorrect. The UAO database only accepts Location as Hall or Accommodation office and position only accepts Hall Manager, Administrative Assistant or Cleaner. Since we entered Location = Windsor and Position = Teacher, the following error messages will display:

Welcome: BANDARA

ORA-20202: The locations can only be Hall and Accommodation Office. ORA-06512: at "BANDARA.STAFF_LOCATION", line 3 ORA-04088: error during execution of trigger "BANDARA.STAFF_LOCATION"

Error Unable to process row of table ACCOMMODATIONSTAFF.

OK

Welcome: BANDARA

ORA-20202: The positions can only be Hall Manager, Administrative Assistant and Cleaner. ORA-06512: at "BANDARA.STAFF_POSITION", line 3 ORA-04088: error during execution of trigger "BANDARA.STAFF_POSITION"

Error Unable to process row of table ACCOMMODATIONSTAFF.

OK

To correct the above mistakes, go back to the form, input the proper data into respective fields and click “Create”.

Update Data

If you wish to update a data, all you have to do is click the “pencil icon” and a window will appear that will allow you to change any value of any field.

Accommodationstaff

Advisor Of Studies Halls Of Residence Inspections Invoice Lease Location Next Of Kin Position Rooms Stu

Accommodationstaff

Action Processed. X

Go Actions Create

Staffnumber	Leasenumbr	Flatnumber	Name	Address	Dob	Sex	Location	Position
3	999999	1111	-	-	-	-	Hall	-
1989564325	999999	1111	rasika b	121 campbell avenue	01-NOV-10	male	Hall	Hall Manager
1989564326	999999	1111	Mahmood Chowdhury	401 Sunset Avenue	10-NOV-10	Male	Hall	Hall Manager
1	999999	1111	John Smith	34 Kin Kent ON N9G 3T5	17-SEP-45	M	Hall	Admin.Asst
2	888888	2222	Due Wang	12 Yun Kent ON N9G 3T5	23-OCT-65	M	Accommodation Office	Hall Manager
1989564324	999999	1111	Rasika	123 no road	-	M	Hall	Hall Manager

1 - 6

Click the “Pencil Icon” to update a record.

Welcome: BANDARA Logout

Accommodationstaff

Advisor Of Studies Halls Of Residence Inspections Invoice Lease Location Next Of Kin Position Rooms Studentflatinspections Studentflats

Accommodationstaff > Accommodationstaff

Edit ACCOMMODATIONSTAFF

Cancel Delete Apply Changes

Staffnumber 3

Leasenumbr 999999

Flatnumber 1111

Name

Address

Dob

Sex

Location Hall

Position

Enter data into the empty field or change information into an existing field.

Enter data into the empty fields or change information in an existing field.

Welcome: BANDARA Logout

Accommodationstaff | Advisor Of Studies | Halls Of Residence | Inspections | Invoice | Lease | Location | Next Of Kin | Position | Rooms | Studentflatinspections | Studentflats

Accommodationstaff > Accommodationstaff

Edit ACCOMMODATIONSTAFF Cancel Delete Apply Changes

Staffnumber 3

Leasenumbr 999999

Flatnumber 1111

Name Richard Geere

Address 121 Hollywoodland Ave

DOB 01-Nov-10

Sex Male

Location Hall

Position Hall Manager

In this example, we entered data into Name, Address, DOB, SEX, Location and Position fields (as shown in the above picture).

Once done, click “Apply Changes”.

Welcome: BANDARA Logout

Accommodationstaff | Advisor Of Studies | Halls Of Residence | Inspections | Invoice | Lease | Location | Next Of Kin | Position | Rooms | Studentflatinspections

Accommodationstaff

Action Processed. X

Go Actions Create

Staffnumber	Leasenumbr	Flatnumber	Name	Address	DOB	Sex	Location	Position
3	999999	1111	Richard Geere	121 Hollywood Ave	01-NOV-10	Male	Hall	Hall Manager
1989564325	999999	1111	rasika b	121 campbell avenue	01-NOV-10	male	Hall	Hall Manager
1989564326	999999	1111	Mahmood Chowdhury	401 Sunset Avenue	10-NOV-10	Male	Hall	Hall Manager
1	999999	1111	John Smith	34 Kin Kent ON N9G 3T5	17-SEP-45	Male	Hall	Admin.Asst
2	888888	2222	Due Wang	12 Yun Kent ON N9G 3T5	23-OCT-65	MALE	Accommodation Office	Hall Manager
1989564324	999999	1111	Rasika	123 no road	-	M	Hall	Hall Manager

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If successful, the “Action Processed” message will appear on top of the report.

Delete/Remove Data

To delete a data from any table, select the table from the tabs, click the “Pencil icon” of the record you wish to delete. A window similar to the update window will appear, and you will see a “Delete” option on top right hand corner. Click “Delete” and you have successfully deleted the desired record.

In this example, we wish to delete StaffNumber: 1989564324 from the Accommodationstaff table. By clicking the “Pencil Icon” beside this staffnumber on the Accommodationstaff report, we will get the following screen:

The screenshot shows the 'Edit ACCOMMODATIONSTAFF' form in an Oracle APEX application. The form is titled 'Edit ACCOMMODATIONSTAFF' and has a breadcrumb trail 'Accommodationstaff > Accommodationstaff'. The form contains the following fields and values:

Field	Value
Staffnumber	1989564324
Leasenumbr	999999
Flatnumber	1111
Name	Rasika
Address	123 no road
Dob	
Sex	M
Location	Hall
Position	Hall Manager

At the top right of the form, there are three buttons: 'Cancel', 'Delete', and 'Apply Changes'.

Now click on “Delete” button to remove this record from our Accommodationstaff table. You will get a pop-up message confirming the deletion

Welcome: BANDARA Logout

Accommodationstaff | Advisor Of Studies | Halls Of Residence | Inspections | Invoice | Lease | Location | Next Of Kin | Position | Rooms | Studentflatinspections | Studentflats

Accommodationstaff > Accommodationstaff

Edit ACCOMMODATIONSTAFF

Staffnumber: 1989564324
 Leasenumbr: 999999
 Flatnumber: 1111
 Name: Rasika
 Address: 123 no road
 Dob:
 Sex: M
 Location: Hall
 Position: Hall Manager

http://proton.cspc1.uwindsor.ca:8081
 Would you like to perform this delete action?

Cancel Delete Apply Changes

Cancel OK

When clicked “OK”, the record is deleted from the Accommodationstaff table and “Action Processed” message will appear on top of the report.

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Accommodationstaff

Advisor Of Studies

Halls Of Residence

Inspections

Invoice

Lease

Location

Next Of Kin

Position

Rooms

Studentflatinspe

Accommodationstaff

Action Processed. X

Go

Actions ▼

Create

Staffnumber	Leasenumbr	Flatnumber	Name	Address	Dob	Sex	Location	Position	
	3	999999	1111	Richard Geere	121 Hollywood Ave	01-NOV-10	Male	Hall	Hall Manager
	1989564325	999999	1111	rasika b	121 campbell avenue	01-NOV-10	male	Hall	Hall Manager
	1989564326	999999	1111	Mahmood Chowdhury	401 Sunset Avenue	10-NOV-10	Male	Hall	Hall Manager
	1989564327	123436	2222	Steve Jobs	234 Cuportino	04-MAY-10	Male	Hall	Hall Manager
	1	999999	1111	John Smith	34 Kin Kent ON N9G 3T5	17-SEP-45	Male	Hall	Admin.Asst
	2	888888	2222	Due Wang	12 Yun Kent ON N9G 3T5	23-OCT-65	MALE	Accommodation Office	Hall Manager

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